

designating a segment along the second axis in the expression pattern data of the multiple genes;

clustering the expression pattern data within the designated segment along the second axis based on a predetermined reference value;

repeating clustering within the same cluster in a forward or reverse direction along the second axis while changing the reference value, and

displaying the results according to a predetermined display format.

2. A method for displaying gene expression patterns according to claim 1, wherein comparing the expression patterns of two different genes to determine whether are identical or not.

3. A method for displaying gene expression patterns according to claim 1 or 2, further comprising:

displaying two or more different genes according to the predetermined display format,

whereby said two or more different genes have the same expression pattern at the beginning of said experiment case but change to different expression patterns within the segment along the second axis.

4. A method for displaying gene expression patterns according to claim 1 or 2, further comprising:

displaying two or more different genes according to the predetermined display format,

whereby said two or more different genes have different expression patterns at the beginning of said experiment case but change to the same expression pattern within the segment along the second axis.

6. A method for display gene expression patterns according to claim 1, wherein the experiment cases are states of individual's tissue.

11. An apparatus for analyzing gene expression patterns, which acquires, from a database, expression pattern data of multiple genes whose expressions change according to experiment cases, and which visually displays the expression patterns on a screen of a display device, where a first axis represents the genes and a second axis represents the experiment cases, the apparatus comprising:

an inputting means for designating a segment along the second axis in the expression pattern data of the multiple genes obtained from the database, and

an arithmetic unit for clustering the expression pattern data within the designated segment along the second axis based on a predetermined reference value,

that repeats clustering within the same cluster in a forward or reverse direction along the second axis while changing the reference value, and

displays the results according to a predetermined display format.

IN THE ABSTRACT OF THE DISCLOSURE

Please replace the Abstract of the Disclosure currently on file with the substitute Abstract attached hereto.